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Wataru Matsumoto* (Matsumoto.Wataru@aj.MitsubishiElectric.co.jp), 5-1-1, Ofuna,
Kamakura, Kanagawa 247-8501, Japan. *Forward error correction codes on high-speed
communication standards and the future issues.*

I introduce forward error correction (FEC) codes which have been used in many recent high-speed communication standards, such as digital video broadcasting systems, optical communication systems, wireless communication systems, and so on. The issues of FEC codes for future communications and other applications are described mathematically. (Received December 13, 2011)